



IFW

Patent
Attorney Docket No. 005950-836

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Shenggao Liu et al.

Application No.: 10/622,130

Filing Date: July 16, 2003

Title: HETERODIAMONDOIDS

Group Art Unit: 1764

Examiner:

Confirmation No.: 2442

THIRD
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTERCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a THIRD Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

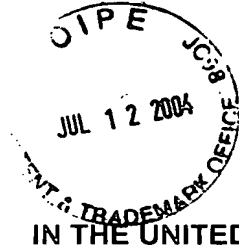
P.O. Box 1404
Alexandria, Virginia 22313-1404
(650) 622-2300By Stephen F. Powell

Stephen F. Powell

Registration No. 43,014

Date: July 9, 2004

(4/04)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Dahl et al.)	
)	Group Art Unit: 1764
Application No.: 10/622,130)	
)	Examiner:
Filed: July 16, 2003)	
)	Confirmation No.: 2442
For: HETERODIAMONDOIDS)	
)	

THIRD INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

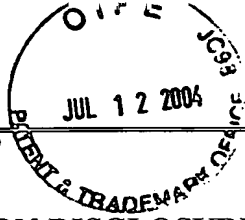
Date July 2, 2004

By:



Stephen F. Powell
Registration No. 43,014
(650) 622-2300

P.O. Box 1404
Alexandria, Virginia 22313-1404



Substitute for forms 1449A/PTO & 1449B/PTO THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTORNEY'S DKT NO. 005950-836	APPLICATION NO. 10/622,130
	APPLICANT Liu et al.	
	FILING DATE July 16, 2003	GROUP 1764

U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,576,155	B1	Barbera-Guillem	06-10-2003
	6,548,171	B1	Barbera-Guillem et al.	04-15-2003
	6,423,551	B1	Weiss et al.	07-23-2002
	6,377,340	B1	Anthony et al.	04-23-2002
	6,326,144	B1	Bawendi et al.	12-04-2001
	6,322,901	B1	Bawendi et al.	11-27-2001
	6,309,701	B1	Barbera-Guillem	10-30-2001
	6,306,610	B1	Bawendi et al.	10-23-2001
	6,207,392	B1	Weiss et al.	03-27-2001
	5,990,479		Weiss et al.	11-23-1999
	5,989,947		Dilger et al.	11-23-1999
	4,985,226		Satoh et al.	01-15-1991
	4,959,201		Satoh et al.	09-25-1990
	4,950,463		Satoh et al.	08-21-1990
	4,880,613		Satoh et al.	11-14-1989

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Beveratos, A, et al., "Single Photo Quantum Cyrptography", <i>arXov</i> "quant-ph/0206136 1 (2002).
	Jones, R., et al., "Theory of Aggregation of Nitrogen in Diamond", <i>Properties, Growth and Applications of Diamond</i> " edited by Nazare et al., Ch. A5.1, pp127-129 (2001)
	Kiflawi, I, et al., "Aggregates of Nitrogen in Diamond", <i>Properties, Growth and Applications of Diamond</i> " edited by Nazare et al., Ch. A5.2, pp 130-133 (2001)
	Kiflawi, I., et al., "The Nitrogen Interstitial in Diamond", <i>Properties, Growth and Applications of Diamond</i> " edited by Nazare et al., Ch. A5.3, pp 134-135 (2001)
	Kuhn, S., et al., "Diamond Colour Centres as a Nanoscopic Light Source for Scanning Near-Field Optical Microscopy", <i>Journal of Microscopy</i> 202(1):2-6 (2001)
	Lawson, S.C., et al., "The Effect of Transition Metals (TM) on the Aggregation Kinetics of Nitrogen in Diamond" <i>Properties, Growth and Applications of Diamond</i> " edited by Nazare et al., Ch. A6.2, pp 172-173 (2001)
	Raty, J.Y., et al., "Quantum Confinement and Fullerenelike Surface Reconstructions in Nanodiamonds", <i>Physical Review Letters</i> 90(3):037401.1-037401.4 (2003)
	Zarda, P., "Single Photo Source ", http://scotty.quantum.physik.uni-muenchen.de/exp/sps/sum.html , on-line documents, 11 pages (2001)
Examiner Signature	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **SEND TO:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.